

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (Currently Amended):** A method for a peripheral device to regulate its temperature by regulating its power consumption, comprising:

reducing offline diagnostic activities if the temperature of the peripheral device exceeds a first temperature;

reducing operational speed in which the peripheral device fulfills requests from a host device if the temperature of the peripheral device exceeds a second temperature; [[and]]

reducing power consumption of a physical layer interface that connects the peripheral device to the host device if the peripheral device exceeds a third temperature and if the peripheral device experienced a period of inactivity that exceeds a first time threshold; and

further reducing power consumption of the physical layer interface if the peripheral device exceeds a fourth temperature that is higher than the third temperature and if the peripheral device experienced a period of inactivity that exceeds a second time threshold.

**Claim 2 (Original):** The method of claim 1, wherein the first temperature is lower than the second temperature.

**Claim 3 (Original):** The method of claim 1, wherein the second temperature is lower than the third temperature.

**Claim 4 (Cancelled).**

**Claim 5 (Currently Amended):** The method of claim 1 ~~[[4]]~~, wherein the second time threshold is longer than the first time threshold.

**Claim 6 (Cancelled).**

**Claim 7 (Currently Amended):** ~~The method of claim 6, wherein the method further comprises:~~ A method for a hard drive to regulate its temperature by regulating its power consumption, comprising:

reducing offline diagnostic activities if the temperature of the hard drive exceeds a first temperature;

reducing operational speed in which the hard drive fulfills requests from a host device if the temperature of the peripheral device exceeds a second temperature;

reducing power consumption of a physical layer interface that connects the hard drive to the host device if the hard drive exceeds a third temperature and if the hard drive experienced a period of inactivity that exceeds a first time threshold; and

parking heads of the hard drive if the peripheral device ~~hard drive~~ exceeds a fourth temperature and if the ~~peripheral device~~ hard drive experienced a period of inactivity that exceeds a second time threshold.

**Claim 8 (Original):** The method of claim 7, wherein the second time threshold is longer than the first time threshold.

**Claim 9 (Original):** The method of claim 8, wherein the fourth temperature is higher than the third temperature.

**Claims 10-11 (Cancelled).**

**Claim 12 (Currently Amended):** ~~The method of claim 11,~~ A method for regulating temperature in a hard drive comprising:

monitoring the temperature of the hard drive;  
reducing power consumption when the temperature exceeds a certain threshold;  
wherein the hard drive is capable of operating while the power consumption is reduced; and

wherein the power consumption is reduced by suspending offline diagnostic activities activities.

**Claim 13 (Currently Amended):** The method of claim 12 ~~[[11]]~~, wherein the power consumption is reduced by reducing seek speed of the hard drive.

**Claim 14 (Currently Amended):** The method of claim 12 ~~[[11]]~~, wherein:  
the hard drive has a physical layer interface that connects the peripheral device to a host device,  
the physical layer interface has different power modes;

the power consumption is reduced by changing the power mode of the physical layer interface.

**Claim 15 (Original):** The method of claim 14, wherein the power mode is changed only if a period of inactivity where the host device has not used the hard drive has elapsed.

**Claim 16 (Original):** The method of claim 15, wherein the power mode reverts back to its original mode when the host attempts to use the hard drive.

**Claim 17 (Original):** The method of claim 14, wherein the power mode is changed from active to partial.

**Claim 18 (Original):** The method of claim 14, wherein the power mode is changed from partial to slumber.

**Claim 19 (Currently Amended):** The method of claim 12 ~~[[11]]~~, wherein the hard drive can be placed into a standby state, and wherein power consumption is reduced by placing the hard drive into the standby state if a period of inactivity where the host device has not used the hard drive has elapsed.

**Claim 20 (Cancelled).**